

#10  $\frac{dy}{dx} x^{\frac{2}{2}}$  구하라.

$$\frac{dx}{dt} = 1 + \frac{1}{t^2}$$

$$\frac{dy}{dt} = 1 - \frac{1}{t^2}$$

$$\frac{dy}{dx} = \frac{\frac{t^2-1}{t^2}}{\frac{t^2+1}{t^2}} = \frac{t^2-1}{t^2+1}$$

$$= \frac{\frac{dy}{dt}}{\frac{dx}{dt}}$$